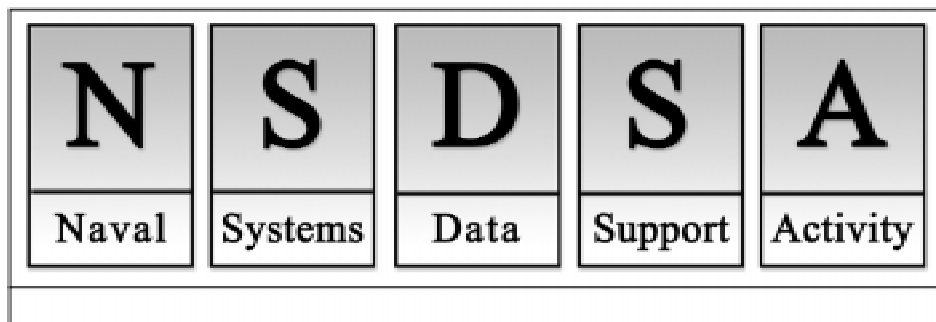


The Technical Manual Maintenance
Activity (TMMA) Conference

**The TM Management
Paradigm Shift: How Navy TM
Management is Changing in
the Internet Age**



Admiral Kidd Conference Center, San Diego, California

How the TMMA Program Guide Was Created: Wayne Gafford of NSDSA created this season's TMMA conference program guide in SGML. It is structured in the NAVSEAC2 DTD tagset using EPIC editor, then published in the NAVSEA publishing system at Port Hueneme, California.

OCT 29 — 30, 2003

TABLE OF CONTENTS

Chapter/Paragraph	Page
1 TMMA Conference Overview	1-1
1-1. TMMA Conference Tracks	1-1
1-2. TMMA Conference Theme	1-1
2 Day 1: Technical Manual Technology and Sailor Training	2-1
2-1 The Navy Training Revolution	2-1
2.2 What Does the Panel Mean by "Training"	2-1
2.3 The Agenda: Wednesday, October 29, 2003	2-2
3 Day 2: Fleet Support and Customer Service	3-1
3.1 The Agenda: Thursday, October 30, 2003	3-1
4 List of Demonstrators and Exhibitors	4-1
4-1 Overview	4-1
5 XML for Managers: Course Training Given by SESi	5-1
5-1. Course Overview	5-1
5-2. SESi Profile	5-1
5-3. Instructor Profile	5-1
6 Keynote Speaker Bios	6-1
6-1. Bob Bost	6-1
6-2. Captain David L. Rausch	6-2
7 Dave Williamson, SPAWAR 04H: This Season's IPDWG/TMMA Conference Host	7-1
Many Thanks	7-1
1 Conference Notes: Day 1 Presentations	7-1
2 Conference Notes: Day 2 Presentations	7-1
3 Conference Notes: Demonstrations	7-1

TABLE OF CONTENTS - Continued

Chapter/Paragraph	Page
4 Conference Notes: XML for Managers Course	7-1

CHAPTER 1

TMMA CONFERENCE OVERVIEW

1-1. TMMA Conference Tracks

This Fall's TMMA conference is structured into two tracks with demos and training each afternoon:

TMMA Day 1 – October 29: Tech Manual Technology and Sailor Training

TMMA Day 2 — October 30: Fleet Customer Support

TMMA Day 1 & 2 — October 29 and 30 Demos and Exhibits, 12 PM – 4 PM each day.

XML for Managers Course, October 28, 29 and 30, 1pm — 3pm.

1-2. TMMA Conference Theme

The tracks and demos will be unified by a single theme: **"The TM Management Paradigm Shift: How Navy TM Management is Changing in the Internet Age"**.

Data management is in a paradigm shift. The internet and new technologies that stem from SGML and XML have lead to new methods of creating, storing and delivering TM products and services in the Navy. The Fall '03 TMMA Conference is about recognizing how the TMMA role is changing in the age of the internet. We will explore these roles in two areas: data management for IETM and training environments, and fleet customer support. Keynote speakers, panelists, presenters and demonstrators are speaking to the idea of how Navy TM/data management is changing, and how new tools are affecting the role of TM managers. Exploring this paradigm shift is a timely theme. The Fall '02 Newport News conference one year ago explored digital themes we got our first look at TDKM, SVG and the XML working group. The Spring '03 Panama City Conference explored, in part, the SGML vs XML question. This leads us to the present: TM management roles and tools are evolving. How do TMMA's keep pace with technology?

CHAPTER 2

DAY 1: TECHNICAL MANUAL TECHNOLOGY AND SAILOR TRAINING

2-1. The Navy Training Revolution

The Navy's Revolution in Training is moving sailor training out of the school-houses and into the sailor's ship-board and shore station environment. Training will become more modular. Sailors will more actively pursue their own self-development. Commanders will more actively match sailor and crew expertise to missions. Training courses and products must become more flexible and agile to satisfy these tailored demands. As the training community, arguably the largest consumer of TM data, adjusts itself to this Revolution in Training, the TM developers and maintainers must be ready to meet their evolving demands for re-using and sharing technical data.

2.2 What Does the Panel Mean by "Training"

At this TMMA conference, training refers to the Human Systems Intergration (HSI) aspect of sailor performance. Training products are created, in part, by integrating data storage mechanisms with training module repositories that use, or require, repurposed data. Training modules, in essence, depend upon TM data for accuracy and content. Training product development requires someone to know where source data is kept and how it needs to play in an inter-operable data environment. As a TMMA, how do you manage Tech Data used for training deliverables where usability is key to SEA Power 21?.

2.3 The Agenda: Wednesday, October 29, 2003

Registration

7:00 — 8:00

Welcome Remarks

8:00 — 8:30

Keynote Address:

Sailor Performance- the Key to SEA Power 21

8:30 — 9:30

Speaker: Bob Bost

Human Systems Integration (HSI) aims to place Sailor performance as a critical element of Total System Performance. Every new ship built and system delivered to the Fleet must be designed, acquired and supported with the Sailor's performance, training, safety and survivability in mind. In short, the Sailor is at the center of war-fighting capability.

Mr. Bob Bost, SEA 03 Technical Director as well as the NAVSEA warranted technical authority for Human Systems Integration, will introduce and explain how this engineering discipline has become a driving force behind the CNO's strategic transformation vision, how it profoundly affects the way we design, acquire, field and support Navy systems, and how the principles of HSI can be applied to develop measures and certifiable Sailor performance metrics.

In the second part of his presentation, he will address synergies between the Personnel Training and Technical Data communities within the context of Sea Warrior and the Integrated Learning Environment. He will also touch on the directorate's role and relationships in defining integrated training architectures. Mr. Bost will demonstrate that to operate effectively with fewer people in a complex operational environment we must understand that Sailor performance dictates system performance.

Technical Manual Technology and Sailor Training Panel

9:45 — 11:15

Joe Garner — NAVSEA Carderock

Bob Bost — SEA 03 Technical Director, NAVSEA Warranted Technical Authority for Human Systems Integration

Dave Williamson — SPAWAR 04H

Bernie Coval — NAVSEA Carderock Ship Systems Engineering Division, Philadelphia

Troy Sutton — (Moderator) Naval Systems Data Support Activity

The Navy Training Revolution

The Navy's Revolution in Training is moving sailor training out of the school-houses and into the sailor's shipboard and shore station environment. Training will become more modular. Sailors will more actively pursue their own self-development. Commanders will more actively match sailor and crew expertise to missions. Training courses and products must become more flexible and agile to satisfy these tailored demands. As the training community, arguably the largest consumer of TM data, adjusts itself to this Revolution in Training, the TM developers and maintainers must be ready to meet their evolving demands for re-using and sharing technical data.

What Does the Panel Mean by "Training"

At this TMMA conference, training refers to the Human Systems Intergration (HSI) aspect of sailor performance. Training products are created, in part, by integrating data storage mechanisms with training module repositories that use, or require, repurposed data. Training modules, in essence, depend upon TM data for accuracy and content. Training product development requires someone to know where source data is kept and how it needs to play in an inter-operable data environment. As a TMMA, how do you manage Tech Data used for training deliverables where usability is key to SEA Power 21?

The TMMA Conference Recognizes the Revolution

The ninety minutes we will devote to the relationships between TM data storage management/distribution and sailor training will be productive and illuminating. The conference organizers, as well as the panelists, believe that this discussion to take place in San Diego is timely and of central importance in exploring the TM management paradigm shifts taking place now and that must take place in the future.

The Presentations

SMART-T and the 24784C Spec Update

11:15 — 12:00

Gerry Wilson, Naval Systems Data Support Activity

Jimmy Rizzo, PBM and Associates

Summary

SMART-T: Gerry will provide a brief overview on functionality, development status, and road ahead in acquisition support.

24784C Spec: Jimmy will update everyone on the latest developments on the 24784c spec by the IETM working group.

Lunch

12:00 — 1:00

Demo Room Opens

12:00 — 4:00

XML for Managers Course

1:00 — 3:00

1:00 — 1:45

Virginia Class Subs — Lessons Learned: Moving to an All Digital Environment

Gary Kelch, Logistics Technical Data Manager for VIRGINIA Class Program Office

Summary

Gary will discuss the Virginia Class characteristics and features, then compare it to previous fast track classes. Emphasis will be place on electronic data delivery and the shipboard LAN. Most importantly, analysis will be given to the lessons learned for web-based data delivery.

Bio

Mr. Kelch joined the Navy in 1977 and completed the Navy's Nuclear Power training program. Mr. Kelch served aboard the submarine USS Bergall SSN 667 and was honorably discharged in 1983. Following active Duty Mr. Kelch joined the Naval Reserve and is currently a Limited Duty Officer Lieutenant with the specialty of Submarine Engineering and Repair. As a civilian contractor, Mr. Kelch worked for ESSEX Corporation of Alexandria VA supporting Naval Sea Systems Command in several submarine related contracts followed by Department of Army contracts supporting Army Special Forces mission to provide training to indigenous personnel for the removal of land mines. Mr. Kelch joined EG&G Technical Services in 1998 supporting the VIRGINIA Class Integrated Logistics Support team and in 2000 took over as the Logistics Technical Data (LTD) Process Integration Team Leader managing delivery of LTD for VIRGINIA Class.

1:45 — 2:15

JCALs/Content@ Integration

Bernie Coval, NAVSEA Carderock Ship Systems Engineering Station, Philadelphia

Summary

The integration of Content@ into JCALS will enable web based access to the NAVSEA SGML TM repositories. This also provides integration with the NAVSEA Publishing System and JCALS "Recommended Change" function. This integration will eliminate the requirement for installation of the Content@ desktop application and the use of a VPN. All security is managed by JCALS OBAC and RBAC, with single sign-on capability between JCALS and Content@. This is a significant implementation as all Navy sites migrate to NMCI and the requirement for data access by geographically dispersed personnel grows.

Bio

Bernard Coval, graduated from Pennsylvania State University in 1983 with a Bachelor of Science degree in Agricultural Engineering. He has worked in the Technical Manual Branch at NSWCCD-SSES since 1984. He has been a principal in the development of SGML based IETMS for the Navy since 1992. Mr. Coval is the technical lead for the NAVSEA SGML Publishing System which has been in production since 1999. Mr Coval is the Joint Computer Aided Acquisition and Life Cycle Support (JCALS) Navy technical lead for the deployment of Navy software requirements and development. He is also the technical lead for the deployment of the NAVSEA HM&E content management system which was implemented in February 2003. Mr Coval is also the NSWCCD-SSES lead in the development of the TDKM-IDE pilot.

2:15 — 3:00

Virtual Document Management

Brian Hopkins

Summary

The paradigm for management of Navy publications is changing. The dramatic increase in the complexity of networks and software is placing a burden on legacy paper publishing paradigms that the Navy must address. For the past 4 years SPAWAR has been investigating new standards and technology to satisfy operators' increased demand for information and to reduce cost at the same time. XML, as the heir to SGML, provides such a standard, and modern enterprise content management systems can be combined to handle content as a series of granular "virtual" documents. This presentation will examine these concepts in greater detail and explain how SPAWAR is implementing them.

Bio

Brian Hopkins is an independent consultant supporting both SPAWAR 04H and the Department of the Navy CIO. An Electrical Engineering Major, Mr. Hopkins spent 10 years active duty as an officer in the submarine force serving on two submarines and on the staff of Submarine Group 7 in Yokosuka, Japan. Upon departing the service in 1998, he became a defense contractor in the field of information technology. His primary areas of expertise are Enterprise Content Management and the Extensible Markup Language. Mr. Hopkins is current the lead architect and project engineer for SPAWAR's Documentum software implementation and the a team leader for the Department of the Navy's XML Working Group.

3:00 — 3:45

Marine Corps SDM Overview

Lisa Lawhorne, Senior Logistician, Project Manager, Digitization

Summary

In order to create a fully supported customer focused organization in the internet-age, The Marine Corps Systems Command is executing a Whole Systems Architecture methodology - a total systems approach successfully employed by industry leaders faced with comparable change, to transform itself to face challenges of the future. The outcome of the effort has produced a product centric team based organization that is partnered with industry. The USMC will also share two different samples of its participation with industry: Service Data Management Proof of Concept and an introduction to the Light Armored Vehicle's web-based content management system.

Bio

Lisa Lawhorne is a Senior Logistician and the Project Manager for digitization at the Marine Corps Systems Command. Ms. Lawhorne has a degree in management with masters work and has been with the Department of Defense for 20 years, supporting NAVSEA, SPAWAR, and the USMC. She resides in King George, VA.

3:45 — 4:30

Navy ERP

Ray Milton, ERP Maintenance Business Process Team Manager

Summary

TMMAs have used technology to make technical content more readily available to end users via the Internet. IETMs and other web-based content replace paperwork, but still require the end user to research and find the applicable content. Mistakes from using incorrect revisions of content may cause personnel injury and equipment damage. ERP technology now allows Technical Authorities to manage their content directly at the users fingertips by linking the content directly into the end use system. ERP data base objects for applicable equipments will now be linked directly to the applicable electronic technical manuals ending the need for research and eliminating errors resulting from use of incorrect content.

Bio

Ray Milton has 10 years experience as USN Submarine Officer; Main Propulsion Assistant for Three Deployments and an Overhaul, Nuclear Repair and Radiological Controls Officer for Intermediate Maintenance Facility, Strategic Weapons Officer for Trident Class Submarine. 11 years experience in Shipyard Nuclear Engineering Department as structural engineer and CVN Project Engineer during Baseline Automated Industrial Management (BAIM) implementation. 3 years experience on NAVSEA ERP implementation (NETS/NEMAIS Program). Currently the Maintenance Business Process Team Lead for the Navy Converged ERP Program.

4:30 — 4:45

Closing Remarks

CHAPTER 3

DAY 2: FLEET SUPPORT AND CUSTOMER SERVICE

3.1 The Agenda: Thursday, October 30, 2003

Day's Overview

8:15 — 8:30

Keynote Address:

FORCEnet and the Challenges Facing the Tech Pub Community Supporting Web-Centric Technology

8:30 — 9:30

Speaker: Captain David Rausch, Director, Integrated Product Support Dept., 04H, SPAWAR, San Diego

Summary

The concept of a "document" as a single entity structured by volume, chapter and paragraph is being replaced by the idea that technical "data" can be modeled, represented, manipulated, reused and content shared in a fashion similar to more conventional structured data. This brief will provide a high level overview of the TMMA's challenges to manage units of information to make knowledge available at the right time and place to our warfighters. Through the integration of technical data and training content the sailor's performance can be improved to support the concepts of SeaPower 21 and ForceNet.

Navy Supply System and ILS Certification Panel: How the TM Supply System and Certification Process Contributes to Fleet Support

9:30 — 11:15

Troy Sutton — Naval Systems Data Support Activity

John Kozul — TMMA, NAVSEA Carderock Ship Systems Engineering Station, Philadelphia

Leslie Dicenso — SPAWAR 04L

Bucky Buchanan — SEA 04L - Tech Data Branch Head/LOG FAM

Del Donovan — Shore-Based Maintenance Support Center, LANT Fleet Carriers

Craig Williams — ILS Support, PAC Fleet Carriers

Gerry Wilson — (Moderator) Naval Systems Data Support Activity

WebTDMIS and its Role in Fleet Support

11:15 — 12:00

Debbie Lane, Naval Systems Data Support Activity

Summary

Debbie will provide a demonstration of the Technical Data Management Information System (TDMIS) and TDMIS Digital Library and ATIS Bundling System (TDLABS). The demonstration will be conducted on-line and provide a overview of the system, how TDLABS interfaces with TDMIS and what new features are available in TDMIS.

Bio

Ms. Debbie Lane is Branch Manager of the Technical Manual Management Program Branch at Naval Systems Data Support Activity (NSDSA). Ms. Lane's branch is responsible for the management of the Technical Manual Management Information System (TDMIS) which includes Fleet Tailored Technical Data, CDROM Volume Id numbering, Technical Manual Identification Numbering System (TMINS), Technical Manual Deficiency Evaluation Report (TMDER), the ATIS bundling effort, and the NSDSA web presence. Ms. Lane has held various technical positions in her 24 years experience with the Department of Navy. She holds a Bachelors of Science in Computer Information Systems and a Masters Degree in Public Affairs.

Lunch

12:00 — 1:00

Demo Room Opens

12:00 — 4:00

XML for Managers Course

1:00 — 3:00

1:00 — 1:45

Recommending a Change/Revision Policy for Technical Manuals

Bernie Coval, NAVSEA Carderock Ship Systems Engineering Station, Philadelphia

Summary

As a result of the conversion of TMs to digital format and the distribution of this data via CDROMS and the web, the update cycle has been reduced. However, the requirement to deliver paper to the fleet has not been removed. This session will propose a change in policy to discontinue the practice of sending changes to the fleet. The issues related to distributing a complete manual with each update will be covered. These issues include costs, TMDER policy, and the technical issues relating to digital data.

1:45 — 2:30

TM Issues From a Fleet Perspective

Del Donovan, Shore-based Maintenance Center, LANT Fleet Carriers

Craig Williams, ILS Support, PAC Fleet Carriers

Summary

COMNAVAIRFORCE monitors and responds to technical documentation problems in support of combat readiness. The availability and accuracy of technical data is critical for the sailor to efficiently and effectively perform maintenance. Available and accurate technical documentation and data is only as effective by the quality efforts put forth by the ashore support agencies and technicians. Maintenance Support Centers (MSC) on carriers is the centralized point of contact and resource for tech manuals for CV/CVN maintainers. A central support center such as MSC enables better monitoring and resolution to technical document problems, and acts as a primary point of contact for CNAP/CNAL support reps to assist with integrated logistic support problems.

2:30 — 3:15

Alternate Carrying Points, COTS, TMMA Certification

Troy Sutton, NSDSA

Summary

Two of the more specific problem publication areas under the NAVSEA and SPAWAR Technical Manual Management Programs (TMMPs) are Commercial-Off-The-Shelf (COTS) and Alternate Carrying Points. NAVSEA and SPAWAR have implemented specific acquisition requirements for Commercial-Off-The-Shelf (COTS) technical manuals. NAVSUP has developed and implemented a new Alternate Carrying Point Module as part of Naval Logistics Library (NLL). The purpose of this presentation is to reemphasize these requirements to TMMA's. This presentation will also reiterate "What are the responsibilities of a TMMA?"

3:15 — 4:00

Technical Data Knowledge Management (TDKM)

Bernie Coval

Summary

Technical data knowledge management (TDKM) is a collaborative initiative of several Navy activities headed up by Carderock Division's Code 205. It has been co-sponsored by the Deputy Chief of Naval Operations for Fleet Readiness and Logistics (N4) and the Deputy Under Secretary of Defense for Logistics and Material Readiness. This ambitious effort, when added to ongoing web-enabled Navy initiatives, is targeted at providing a next generation digital technical data delivery and presentation capability throughout the Navy. It will deliver tailored and configuration-assured technical data to Fleet users wherever they are deployed in the world. Joe Garner, Head, Technical Information Systems Department (Code 205), has served as the project leader of this comprehensive surface, subsurface, and air initiative. The overall Navy management and technical leadership team includes Eric Jorgensen , Joe Fuller , and Bernie Coval. They all played a major role in developing an approach to solving the problem and formulating the conceptual design of the TDKM solution.

4:00 — ?

Presentation of Newly Certified TMMAs and Closing Remarks

Bucky Buchanon

CHAPTER 4

LIST OF DEMONSTRATORS AND EXHIBITORS

4-1. Overview

This season's TMMA Conference features demonstrators and exhibitors who are supporting the Navy's tech data life cycle processes. You will have the opportunity to sample and test drive current Navy applications that are changing way data is created, managed and distributed. See the paradigm shifts for yourself.

1. **ATIS IETM.NDX Instruction: Amy Cooksey: NSLC DET, LANT, Indian Head, MD**

The Advanced Technical Information Support (ATIS) system, is the Navy standard digital data repository that provides easy access to technical data. It is currently installed on 302 ships and we have 1200 shore customers. Naval Sea Logistics Center is currently tasked as the central testing facility for all electronic technical manuals (IETM/ETM) prior to distribution to the fleet. ATIS team members will give a brief overview of the testing process and show developers how to create the ATIS required IETM.NDX file. They will also be available to discuss issues encountered during testing, installation options and the constraints that exist in the fleet.

2. **Technical Library Management System (TLMS): Bill Titworth, Code 343 SPAWARSYSCEN Norfolk**

Bill will present demos on the current fleet release of TLMS, and the planned update release if requested. Standard functionality for research, inventories and verification will be presented to better display how the fleet sailor will use TLMS to conduct an automated interface with TDMIS data to obtain the TMMA's latest information on Technical Manual updates.

3. **Technical Data Management Information System (TDMIS): Louie Candelaria, NSDSA**

The Technical Data Management Information System (TDMIS) is a Department of the Navy (DoN) database used to manage and track the life-cycle history of technical manuals (TMs). It provides source information in support of: Naval Logistics Library (NLL), Technical Library Management System (TLMS), Configuration Data Mangers Database – Open Architecture (CDMD-OA), Advanced Technical Information System (ATIS), and the Technical Manual Publish on Demand System (TMPODS). Without the use of TDMIS these systems will not have a viable source of technical manual data. TDMIS maintains current status and configuration of NAVSEA, SPAWAR, NAVFAC and NAVAIR (Air Traffic Control and Combat Identification Systems) technical manuals. TDMIS controls the bundling and access to all ATIS digital manuals. TDMIS provides direct fleet support with the production of indexes of technical manuals developed for each ship, weapon system and equipment.

4. **TDMIS Digital Library and ATIS Bundling System (TDLABS): Louie Candelaria, NSDSA**

TDMIS Digital Library and ATIS Bundling System (TDLABS) is the electronic arm of the NAVSEA Engineering Technical Library (NETL). It is used to store digital copies of all technical manuals and for use in the ATIS Bundling process.

5. **Streamlined Modular Acquisition Requirements Tailoring Tool (SMART-T), Justo Monzon, NSDSA**

The Streamlined Modular Acquisition Requirements Tailoring Tool (SMART-T) is a new application designed to define acquisition requirements and generate tailored documentation to support those requirements. The web-based application is an extension of the Modular Specification (M-SPECS) System used to create the technical manual contract requirements documentation since 1981.

6. **Documentum: Greg Hayman, Ralph Kahn**

The fleet readiness demands of the "new Navy" call for instantaneous access to tech data at the ship, depot,

or SIMA. Documentum provides a proven end-to-end COTS system for the assembly, publishing, revision and maintenance of electronic tech data so that Technical Authorities can instantly reach the Naval maintenance community with updates and revisions. With Documentum, Technical Authorities author and maintain tech data but have the added ability to automatically publish updates and revisions across the Navy in an instant in a variety of formats including XML, SGML, MSWord, and PDF.

7. **Unified System Manual - Documentation Management Infrastructure (USM-DMI): Brian Hopkins**

The Unified System Manual - Documentation Management Infrastructure (USM-DMI) gives the sailor web-based access to product content. Content can be browsed by job-duty-task, or searched by keyword. USM-DMI enhances the power and flexibility of XML through two content developer tools: Documentum to manage the versioning and reuse of XML content during its development, and Arbortext Extend for a friendly interface to an author's XML content.

8. **Arbortext's EPIC Editor: Mark Bandettini**

In no other industry is information more central to operations than it is in the government and defense sectors. The need to produce information that can be reused, shared with suppliers, translated to other languages, and be automatically published to a variety of media formats is vital. Arbortext has installations deployed within every major department of the government, including the military, regulatory, legislative and judicial branches. Arbortext software is also used to create, manage and automatically publish the technical documentation required to manufacture government-sponsored weapons systems. ENIGMA and the Marine's Land Attack Vehicle:

9. **Outstart's Evolution: Mike Gregory, Tammy Humphrey, Navy Program Managers**

OutStart's Evolution product is a software application that facilitates adaptive and prescriptive learning and can dynamically tailor a course for each individual student. Evolution employs a "Learning Object" model that will allow the US Navy to create content once, store it in a repository, and then deliver it many times over across a variety of media -- e.g., Web browser, CD, PowerPoint, print, WAP -- all on demand. Evolution's workflow and collaborative development environment supports distributed development within large enterprises and diversified partners. Evolution also provides rich functionality to manage the learner's interaction, provide on-line assessments, track the learner's learning path and provide competency reports. The Naval Personnel Development Command (NPDC) has selected Evolution as their Learning Content Management System (LCMS) for the Integrated Learning Environment (ILE).

10. **Adobe's Acrobat: Marc Bech**

Adobe Acrobat 6.0 Professional enables government professionals to exchange critical documents securely, reliably and efficiently. Being an ISO standard for document handling, Acrobat allows PDF creation from any document, including one-button creation from Microsoft Office, Internet Explorer, Visio, and AutoCAD. Acrobat 6.0 Professional incorporates password protection, digital signatures, streamlines document reviews, and offers built-in preflighting for reliable final output.

11. **Xyenterprise's WebContent@: Rich Pasewark**

Content@ is deployed as the single source SGML content management solution for a number of mission critical programs across the Navy including the NAVSEA Planned Maintenance System and various Technical Manual activities. Content@ is used to manage 10s of 1,000s of unique documents and illustrations and automatically assembles and publishes components for PDF or XML formatting and delivery. The system enables daily input of new source data into the Content@ repository, tracking and reports on this data, and management of a pre-defined publishing cycle (monthly updates and quarterly new publications) and dynamic print on demand for certain applications. The system also provides different classes of end users with interfaces appropriate for their tasks. A new part of the system delivers PDF files on the web using Content@ Web, and add-on to the core Content@ application.

12. **Configuration Data Manager's Database-Open Architecture: Cong Ton, SPAWAR**

The Configuration Data Managers Database - Open Architecture tracks the status and maintenance of naval equipment and their related logistics items (drawings, manuals, etc.) on ships and naval activities around the

world. The term "open architecture" is used to denote the fact that CDMD-OA is a client/server-based system, not dependent upon any vendor's proprietary hardware or software; data may flow to and from CDMD-OA provided that open protocols are used. The status of a given piece of equipment on a ship determines what and how many spare parts will be stored on that ship for it, making this tracking extremely important in terms of cost, shipboard space and weight, and the operational availability of the ship. CDMD-OA was designed specifically to aid the tracking of this configuration data by shore-based Configuration Data Managers (CDMs). The Naval Sea Systems Command (SEA 04TD) initiated the development of CDMD-OA to shorten the dataflow lag time between the ship, the CDM, and the Naval Inventory Control Point. As part of the client/server architecture of CDMD-OA, a single repository of all naval configuration and logistics data from around the world is available for querying. CDMD-OA incorporates the latest technological innovations to maintain data integrity and speed transmission of updates between the ships, NAVICP and the CDMs.

13. Naval Logistics Library, Carrying Point Module Training: Terri Knotts, NSDSA

Terri will provide training on the Alternate Carrying Module established on the Naval Logistics Library (NLL). The module allows the Carrying Point personnel to process and report status on requisitions, follow-ups, and cancellations requests submitted by customers. It also allows the Carrying Point personnel to view information on requests which have been processed.

14. ITEDO Software, LLC, Scott Allshouse, USN (Ret)

Technical Illustration - The Untapped Potential: Throughout defense, aerospace and other major industries worldwide there is a growing demand for reusable information. Technical illustration provides intuitive and logical access to multiple resources for training, maintenance, repair and other purposes. Compatibility with web and database applications is achieved with structured technical illustrations, or intelligent graphics. Based on standards used by SGML, XML, and HTML, end users find their information quickly within the illustrations or navigate from the spot in the graphic to other resources automatically. Overall, information managers can extend the purpose of these graphics economically to serve multiple mission requirements now and in the future. ITEDO Software currently supports vital new projects such as the Joint Strike Fighter and those undergoing modernization today in the Army, Navy, Air Force and US Marine Corps.

CHAPTER 5

XML FOR MANAGERS: COURSE TRAINING GIVEN BY SESI

5-1. Course Overview

Who says XML is boring? Not here. Join us for a light-hearted course on XML that is designed to educate managers on what XML will and will not do for them, their organizations, their customers, and the joint forces as a whole. This course will help you clarify and identify the truths and the myths, the benefits, the future plans, and the potential problems you need to know and be aware of when making contractual decisions. We will also discuss the Navy's vision for XML and how XML is currently being used; by whom and why it plays such a huge role in technology today. Believe it or not, "XML can even be used to brew coffee!!" Learn why our sample document instance contains sufficient information to drive the coffee making process. A fun, interactive program guaranteed to retain your interest and leave you with the management level knowledge you've been looking for.

5-2. SESi Profile

Systems Engineering Solutions, Inc. (SESI) is a Woman-Owned Small Business and was established in 1987 as a systems house specializing in innovative information management solutions. Today, SESI offers a full range of products and services in the areas of database publishing systems, technical publications, computer aided drafting, interactive multimedia instruction, communications, engineering and integration services, and ADP systems design, development and integration. SESI is a customer-oriented company that can assist clients in the utilization of state-of-the-art information management systems and technical publication services for both government and commercial customers. SESI retains prime and subcontracts with various DOD organizations such as NAVSEA, NAVAIR, GSA and AMCOM as well as a multitude of commercial organizations.

5-3. Instructor Profile

Shirley Adams, SESI's President and CEO, is a dynamic trainer, author and consultant. Whether launching a new product, conducting a training seminar or presenting a proposal to a prospective customer, Shirley's "lead by example" attitude helps people connect and realize success. Shirley has been a central and enduring force in the technical communication industry. Her leadership has been recognized by all segments of the business community and she is the recipient of numerous awards from both industry and government; such as the Crystal Airplane Award for service and innovation in the aerospace industry. She also took a lead role in the development of SGML specifications for the Air Transport Association, a move that helped revolutionize the field.

CHAPTER 6

KEYNOTE SPEAKER BIOS

6-1. Bob Bost

Mr. J. Robert Bost is a graduate of Georgia Tech in Civil Engineering and has a Master's Degree in Naval Architecture and Marine Engineering from the University of Michigan. He has over 20 years experience in US Navy surface ship design leading the efforts to implement human systems integration (HSI) and manning into the systems engineering process. He has been Branch Head and then Director of the Human Systems Integration Division in the Naval Sea Systems Command. In 1995 he was assigned to the SC-21 Program Office to head the Manning/HSI Department for DD 21 (the Navy's future Land Attack Destroyer). Later that year he was detailed to the original Smart Ship team, where the US Navy changed policy and procedures, and applied existing technology to an operational combatant, USS YORKTOWN, to reduce workload. Returning to DD 21 in 1996, he led the effort to meet the DD 21 manning goal of 95 people.

In October 1999 he shifted from the DD 21 Program Office to PEO Surface Strike as Program Manager, Optimal Manning, to work directly for PEO Surface Strike. In this position, Mr. Bost focused on changing Navy policies and procedures to allow acceptance of the DD 21 95-person crew; developed research and development proposals in optimal manning issues; and, worked across programs, such as carriers, submarines, and Smart Ship, to help all programs in considering the Sailor/Marine as part of their systems engineering process.

In October 2002 with the start of NAVSEA 03 (Human Systems Integration Directorate), Mr. Bost became Technical Director of NAVSEA 03. In this position, he is the warranted Technical Authority for HSI in NAVSEA.

Mr. Bost has received numerous awards and citations, one of the most recent being the Association of Scientists and Engineers (ASE) Professional Achievement Award in 1997. A technical paper, "Losing the Horseholders" (Oct 95, Naval Institute Proceedings) on which he co-authored, won Surface Navy Association Honorable Mention for best technical paper of the year. Another technical paper, "Optimizing Manning on DD 21", was awarded the John C. Niedermair Award for best paper at the ASE Annual Symposium in 1999. In November 2001, Mr. Bost was the symposium chairman of the first-ever, highly successful HSI Symposium sponsored by the American Society of Naval Engineers. He is a Plankowner on Smart Ship, DD 21, and NAVSEA 03.

6-2. Captain David L. Rausch

Captain Rausch reported to the Space and Naval Warfare Command in July 2001 after completing two assignments in the Office of the Chief of Naval Operations as the Head of the Assessment Division's Readiness Integrated Warfare Architecture, and Head of the Air Warfare Division's Aviation Material Support Branch.

The son of a career Naval Aviator, Captain Rausch was born in Patuxent River, Maryland and has lived and traveled extensively throughout the United States, Europe, and Asia. He earned his bachelor's degree from Texas A & I University, a master's degree in business and financial management from the Navy Postgraduate School, and is a graduate of the University of Southern California's School of Business Executive Education Program.

Captain Rausch's broad and diversified logistics management background is founded on a variety of afloat and shore-based assignments that include the Navy Supply Corps School, Athens, Georgia; Attack Squadron 42 (VA-42); Supply Officer, Naval Air Facility Lajes, Azores; the Aviation Supply Office, Philadelphia, Pennsylvania; Headquarters, Commander Naval Air Force, U.S. Pacific Fleet; Supply Officer, Naval Air Station Moffett Field; and the Defense Logistics Agency (DLA) Fort Belvoir, Virginia. He has served aboard the USS IWO JIMA (LPH-2) and USS SARATOGA (CV-60), and was Supply Officer of the USS CALIFORNIA (CGN-36) and USS INDEPENDENCE (CV-62).

Captain Rausch's personal awards include the Defense Superior Service Medal, the Legion of Merit, three Meritorious Service Medals, four Navy Commendation Medals, and two Navy Achievement Medals in addition to several unit, campaign and deployment ribbons. He is a qualified Navy Aviation Supply Officer and Surface Warfare Supply Corps Officer.

Captain Rausch resides in Coronado, California and is the father of two daughters; Elisabeth, a Sophomore attending Coronado High School, and Faye, a Junior attending the University of Tampa.

CHAPTER 7

DAVE WILLIAMSON, SPAWAR 04H: THIS SEASON'S IPDWG/TMMA CONFERENCE HOST

Many Thanks

The IDPWG/TMMA tradition continues. Each season's conference is held at new location, and this season, Dave Williamson at SPAWAR 04H has stepped up. Anyone care to host in the future? Be prepared, for interest in the TMMA/IPDWG is growing and growing. Here is a little bit about Dave Williamson:

Mr. Dave Williamson serves as the Director of Product Data for the Space and Naval Warfare Systems Command (SPAWAR), in the Installations and Logistics Directorate, Code 04H. Mr. Williamson is the Program Manager for the Technical Publications Program responsible for policy development and command evaluation of product data technology products for conformance to DoD and DoN directives. Mr. Williamson serves on the DoN XML Policy Working Group and has held numerous technical and management positions in his 32 years of DoD experience with NAVAIR and SPAWAR. Mr. Williamson is the recipient of the Department of Navy (DoN) Meritorious Service Medal Award. He holds a Bachelors of Arts degree in Business Management with a minor in Engineering and is a member of the DoN Acquisition Professional Community, certified in Program Management, Logistics and Contracting. In his early military career he served four years in the U.S. Navy and is a Vietnam Veteran.

APPENDIX 1

CONFERENCE NOTES: DAY 1 PRESENTATIONS

APPENDIX 2

CONFERENCE NOTES: DAY 2 PRESENTATIONS

APPENDIX 3

CONFERENCE NOTES: DEMONSTRATIONS

APPENDIX 4

CONFERENCE NOTES: XML FOR MANAGERS COURSE

